



#4

SEQUENCE LISTING

<110> OLSSON, Lennart
NARANDA, Tatjana

<120> RECEPTOR DERIVED PEPTIDES AS MODULATORS
OF RECEPTOR ACTIVITY

<130> 213542000101

<140> 09/991,548

<141> 2001-11-20

<150> 09/028,937

<151> 1998-02-24

<150> 08/788,820

<151> 1997-01-23

<150> 08/701,382

<151> 1996-08-22

<150> 08/612,999

<151> 1996-03-08

<160> 44

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 23

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<223> MHC sequence

<400> 1

Glu Arg Glu Thr Gln Ile Ala Lys Gly Asn Glu Gln Ser Phe Arg Val

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15

Asp Leu Arg Thr Leu Leu Arg

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<223> human glucose transporter

<400> 2
Thr Trp Leu Gly Arg Gln Gly Pro Glu Gly Pro Ser Ser Ile Pro Pro
1 5 10 15
Gly Thr Leu Thr Thr Leu Trp
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<211> 24
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<220>
<223> human insulin receptor

<400> 3
Lys Thr Asp Ser Gln Ile Leu Lys Glu Leu Glu Glu Ser Ser Phe Arg
1 5 10 15
Lys Thr Phe Glu Asp Tyr Leu His
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<210> 4
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<223> human LDL receptor

<400> 4
Glu Ala Glu Ala Ala Val Ala Thr Gln Glu Thr Ser Thr Val Arg Leu
1 5 10 15
Lys Val Ser Ser Thr Ala Val Arg Thr
20 25

<210> 5
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<223> human insulin like growth factor receptor

<400> 5
Lys Thr Glu Ala Glu Lys Gln Ala Glu Lys Glu Glu Ala Glu Tyr Arg
1 5 10 15
Lys Val Phe Glu Asn Phe Leu His
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<210> 6
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<223> human leptin receptor

<400> 6
Lys Lys Glu Asn Lys Ile Val Pro Ser Lys Glu Ile Val Trp Trp Met
1 5 10 15
Asn Leu Ala Glu Lys Ile Pro
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<223> human GCSF receptor

<400> 7
Glu Lys Lys Pro Val Pro Trp Glu Ser His Asn Ser Ser Glu Thr Cys
1 5 10 15
Gly Leu Pro Thr Leu Val Gln Thr Tyr
20 25

<210> 8
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<223> human epidermal growth factor receptor

<400> 8
Gly Pro His Cys Val Lys Thr Cys Pro Ala Gly Val Met Gly Glu Asn
1 5 10 15
Asn Thr Leu Val Trp Lys Tyr
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<210> 9
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<223> human growth factor receptor

<400> 9

Glu Tyr Glu Leu Gln Tyr Lys Glu Val Asn Glu Thr Lys Trp Lys Met
 1 5 10 15
 Met Asp Pro Ile Leu Thr Thr Ser Val Pro Val Tyr
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<210> 10
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 <223> human thrombopoietin receptor

<400> 10
 Ala Arg Gly Gly Thr Leu Glu Leu Arg Pro Arg Ser Arg Tyr Arg Leu
 1 5 10 15
 Gln Leu Arg Ala Arg Leu Asn
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<400> 11
 Gln Arg Val Glu Ile Leu Glu Gly Arg Thr Glu Cys Val Leu Ser Asn
 1 5 10 15
 Leu Arg Gly Arg Thr Arg Tyr
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 <223> interleukin-2 receptor alpha chain

<400> 12
 Glu Met Gln Ser Pro Met Gln Pro Val Asp Gln Ala Ser Leu Pro Gly
 1 5 10 15
 His Cys Arg Glu Pro Pro Pro Trp
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<223> IL-2 receptor beta chain

<400> 13

Asp Pro Asp Glu Gly Val Ala Gly Ala Pro Thr Gly Ser Ser Pro Gln
1 5 10 15
Pro Leu Gln Pro Leu
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<220>

<223> interleukin-3 receptor

<400> 14

Gln Glu Glu Gly Ala Asn Thr Arg Ala Trp Arg Thr Ser Leu Leu Ile
1 5 10 15
Ala Leu Gly Thr Leu Leu
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<223> interleukin-4 receptor

<400> 15

Glu Pro Ser Leu Arg Ile Ala Ala Ser Thr Leu Lys Ser Gln Ile Ser
1 5 10 15
Tyr Arg Ala Arg Val Arg Ala Trp Ala Gln Cys Tyr
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<210> 16

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<220>

<223> interleukin-5 receptor

<400> 16

Asp Tyr Glu Thr Arg Ile Thr Glu Ser Lys Cys Val Thr Ile Leu His
1 5 10 15
Lys Gly Phe Ser Ala Ser Val Arg Thr Ile Leu Gln
20 25

<210> 17

<211> 20
<212> PRT
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<220>
<223> interleukin-6 receptor

<400> 17
Pro Ala Gln Glu Val Ala Arg Gly Val Leu Thr Ser Leu Pro Gly Asp
1 5 10 15
Ser Val Thr Leu
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<210> 18
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<223> interleukin-7

<400> 18
Gly Lys Ser Asn Ile Cys Val Lys Val Gly Glu Lys Ser Leu Thr Cys
1 5 10 15
Lys Lys Ile Asp Leu Thr Thr Ile Val Lys
20 25

<210> 19
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<223> interleukin-8 receptor-B

<400> 19
Glu Asp Met Gly Asn Asn Thr Ala Asn Trp Arg Met Leu Leu Arg Ile
1 5 10 15
Leu Pro Gln Ser Phe
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<210> 20
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<220>
<223> interleukin-8 receptor-A

<400> 20
Glu Val Leu Gly Asn Asp Thr Ala Lys Trp Arg Met Val Leu Arg Ile
1 5 10 15

Leu Pro His Thr Phe
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<223> interleukin-9 receptor

<400> 21
Glu Leu Asp Pro Gly Phe Ile His Glu Ala Arg Leu Arg Val Gln Met
1 5 10 15
Ala Thr Leu

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<223> interleukin-11

<400> 22
Glu Val Ile Thr Asp Ala Val Ala Gly Leu Pro His Ala Val Arg Val
1 5 10 15
Ser Ala Arg Asp Phe Leu
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<210> 23
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<223> interleukin-12

<400> 23
Glu Gln Pro Thr Gln Leu Glu Leu Pro Glu Gly Cys Gln Gly Leu Ala
1 5 10 15
Pro Gly Thr Glu Val Thr Tyr Arg Leu Gln Leu His Met Leu
20 25 30

<210> 24
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<212> PRT
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<220>
<223> interleukin-13

<400> 24

Glu Trp Ser Asp Lys Gln Cys Trp Glu Gly Glu Asp Leu Ser Lys Lys
1 5 10 15
Thr Leu Leu Arg Phe Trp
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<210> 25

<211> 22

<212> PRT

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<220>

<223> interleukin-13

<400> 25

Lys Gln Asp Lys Lys Ile Ala Pro Glu Thr Arg Arg Ser Ile Glu Val
1 5 10 15
Pro Leu Asn Glu Arg Ile
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<220>

<223> interleukin-17

<400> 26

~~Asp Pro Asn Ile Thr Val Glu Thr Leu Glu Ala His Gln Leu Arg Val~~
1 5 10 15
Ser Phe Thr Leu Trp Asn Glu Ser Thr His Tyr Gln Ile Leu Leu Thr
20 25 30
Ser Phe

<210> 27

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<220>

<223> human platelet derived growth factor receptor

<400> 27

Glu Ile Thr Thr Asp Val Glu Lys Ile Gln Glu Ile Arg Tyr Arg Ser
1 5 10 15
Lys Leu Lys Leu Ile
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<210> 28

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<220>
<223> human vascular endothelial growth factor receptor

<400> 28
Glu Ala Arg Cys Asp Phe Cys Ser Asn Asn Glu Glu Ser Phe Ile Leu
1 5 10 15
Asp Ala Asp Ser Asn Met
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<210> 29
<211> 22
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<220>
<223> human ciliary neurotrophic factor receptor-alpha

<400> 29
Thr Trp Gln Thr Pro Ser Thr Trp Pro Asp Pro Glu Ser Phe Pro Leu
1 5 10 15
Lys Phe Phe Leu Arg Tyr
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<210> 30
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<220>
<223> T-cell receptor alpha chain

<400> 30
Asp Ser Gln Thr Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile
1 5 10 15
Thr Asp Lys Thr Val Leu
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<210> 31
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<220>
<223> T-cell receptor beta chain

<400> 31
Glu Trp Thr Gln Asp Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala
1 5 10 15

Glu Ala Trp Gly Arg Ala Asp Cys
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<210> 32

<211> 36

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<223> T-cell receptor gamma chain

<400> 32

Ser	Gln	Glu	Gly	Asn	Thr	Met	Lys	Thr	Asn	Asp	Thr	Tyr	Met	Lys	Phe
1				5					10					15	
Ser	Trp	Leu	Thr	Val	Pro	Glu	Glu	Ser	Leu	Asp	Lys	Glu	His	Arg	Cys
			20					25					30		
Ile	Val	Arg	His												
			35												

<210> 33

<211> 20

<212> PRT

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<220>

<223> T-cell receptor delta chain

<400> 33

Val	His	Thr	Glu	Lys	Val	Asn	Met	Met	Ser	Leu	Thr	Val	Leu	Gly	Leu
1				5					10					15	
Arg	Met	Leu	Phe												
			20												

<210> 34

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<212> PRT

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<220>

<223> human transferrin receptor

<400> 34

Glu	Lys	Thr	Asp	Arg	Phe	Val	Met	Lys	Lys	Leu	Asn	Asp	Arg	Val	Met
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Arg	Val	Glu	Tyr	His	Phe	Leu	Ser	Pro	Tyr						
			20					25							

<210> 35

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<220>

<223> human prolactin receptor

<400> 35

Glu Trp Glu Ile His Phe Ala Gly Gln Gln Thr Glu Phe Lys Ile Leu
1 5 10 15
Ser Leu His Pro Gly Gln Lys Tyr Leu
20 25

<210> 36

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> mutated form of insulin receptor

<400> 36

Pro Lys Thr Asp Ser Gln Ile Leu Lys Glu Leu Glu Glu Ser Ser Phe
1 5 10 15
Arg Lys Thr Phe Glu Asp Tyr Leu His Asn Val
20 25

<210> 37

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<220>

<223> DC-A85

<400> 37

Gly Asn Glu Gln Ser Phe Arg Val Asp Leu Arg Thr Leu Leu Arg Tyr
1 5 10 15
Ala Gly Gly Gly Asn Glu Gln Ser Phe Arg Val Asp Leu Arg Thr Leu
20 25 30
Leu Arg Tyr Ala
35

<210> 38

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<220>

<223> rat melatonin receptor type 1B

<400> 38

Ala Arg Arg Lys Ala Lys Ala Glu Arg Lys Leu Arg Leu Arg Pro Ser
1 5 10 15
Asp Leu Arg Ser Phe Leu Thr Met Phe
20 25

<210> 39
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<220>
<223> human secretin receptor

<400> 39
Lys Leu Arg Thr Gln Glu Thr Arg Gly Asn Glu Val Ser His Tyr Lys
1 5 10 15
Arg Leu Ala Arg Ser Thr Leu Leu Leu Ile Pro
20 25

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<220>
<223> Xenopus neuropeptide Y receptor type 1

<400> 40
Gly Lys Tyr Val Cys Leu Glu Asp Phe Pro Glu Asp Lys Arg Phe Leu
1 5 10 15
Ser Tyr Thr Thr Leu Leu Phe Ile Leu
20 25

<210> 41
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<220>
<223> rat platelet activating factor receptor

<400> 41
Ser Phe Arg Val Asp Ser Glu Phe Arg Tyr Thr
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<220>
<223> human Burkitt's lymphoma receptor

<400> 42
Cys Leu Asn Pro Met Leu Tyr Thr Phe Ala Gly Val Lys Phe Arg Ser
1 5 10 15

Asp Leu Ser Arg Leu Leu Thr Lys Leu
20 25

<210> 43

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<223> mouse Burkitt's lymphoma receptor

<400> 43

Cys Leu Asn Pro Met Leu Tyr Thr Phe Ala Gly Val Lys Arg Phe Ser
1 5 10 15
Asp Leu Ser Arg Leu Leu Thr Lys Leu
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<210> 44

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<223> rat Burkitt's lymphoma receptor

<400> 44

Cys Leu Asn Pro Met Leu Tyr Thr Phe Ala Gly Val Lys Arg Phe Ser
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Asp Leu Ser Arg Leu Leu Thr Lys Leu
20 25